

Appln. No. 10/645,266
Amendment Dated May 1, 2006
Reply to Office Action of December 1, 2005

Amendments to the Claims:

Listing of Claims:

Claim 1 (currently amended) A lubricant composition exhibiting enhanced load-carrying capacity and oxidative/corrosion stability said lubricant composition comprising a major portion of ~~a synthetic ester-based base stock:~~

a) a synthetic ester based stock which is the esterification product of an aliphatic polyol containing 4 to 15 carbon atoms and from 2 to 8 esterifiable hydroxyl groups reacted with a carboxylic acid containing from 4 to 12 carbon atoms;

and a minor portion of:

ab) 3-(di-isobutoxy-thiophosphonylsulfanyl)-2-methyl-propionic acid (DITMPA);
and

bc) a yellow metal passivator selected from the group consisting of tolutriazole, benzotriazole and combinations thereof.

Claim 2 (canceled)

Claim 3 (original) The composition of claim 1 wherein the synthetic ester stock is the esterification product of technical pentaerythritol and a mixture of C₄ to C₁₂ carboxylic acids.

Claim 4 (original) The composition of claim 1 wherein the total weight of the DITMPA additive comprises from about 0.01 to about 0.40 weight percent of the fully formulated lubricating oil composition, and the total weight of the yellow metal passivator comprises from about 0.01 to about 0.40 weight percent of the fully formulated lubricating oil composition.

Claim 5 (original) The composition of claim 1 wherein the total weight of DITMPA additive comprises from about 0.02 to about 0.20 weight percent and the yellow metal passivator comprises from about 0.05 to about 0.10 weight percent of the fully formulated lubricating oil composition.

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Claim 6 (original) The composition of claim 5 wherein the total weight of DITMPA additive comprises from about 0.03 to about 0.10 weight percent of the fully formulated lubricating oil composition.

Claim 7 (canceled)

Claim 8 (currently amended) A method for enhancing the load-carrying capacity and the oxidative/corrosion stability of a synthetic ester base stock lubricant composition oil by adding to said lubricant an additive comprising DITMPA and a yellow metal passivator selected from the group consisting of tolutriazole, benzotriazole and combinations thereof.

Claim 9 (original) The method of claim 8 wherein the total weight of DITMPA additive comprises from about 0.01 to about 0.40 weight percent of the fully formulated lubricating oil composition and the total weight of the yellow metal passivator comprises from about 0.01 to about 0.40 weight percent of the fully formulated lubricating oil composition..

Claim 10 (original) The method of claim 8 wherein the total weight of DITMPA additive comprises from about 0.02 to about 0.20 weight percent and the total weight of the yellow metal passivator comprises from about 0.05 to about 0.10 weight percent of the fully formulated lubricating oil composition.

Claim 11 (original) The method of claim 10 wherein the total weight of DITMPA additive comprises from about 0.03 to about 0.10 weight percent of the fully formulated lubricating oil composition.

Claim 12. (canceled)

Claim 13 (original) The method of claim 8 wherein the synthetic ester based turbine oil stock is the esterification product of an aliphatic polyol containing 4 to 15 carbon atoms and from 2 to 8 esterifiable hydroxyl groups reacted with a carboxylic acid containing from 4 to 12 carbon atoms.

Claim 14 (original) The method of claim 8 wherein the synthetic ester based turbine oil stock is the esterification product of technical pentaerythritol and a mixture of C₄ to C₁₂ carboxylic acids.